

IN THE SPECIFICATION

Please replace the paragraph at page 5, lines 13-15, with the following rewritten paragraph:

(6) the lithium secondary ~~batter~~ battery according to (5) above, wherein said subordinate component element is one or two or more of Ti, Nb, Sn and Mg.

Please replace the paragraph at page 10, line 30 to page 11, line 3, with the following rewritten paragraph:

An electrolyte solution to be impregnated in the ~~separate~~ separator is usually comprised of an electrolyte salt and a solvent. For the electrolyte salt, for instance, lithium salts such as LiBF_4 , LiPF_6 , LiAsF_6 , LiSO_3CF_3 , LiClO_4 and $\text{LiN}(\text{SO}_2\text{CF}_3)_2$ may be used. In the invention, however, lithium fluoroborates such as LiBF_4 are used.

Please replace the paragraph at page 20, line 6, with the following rewritten paragraph:

PVDF Elf•Atochem Co., Ltd. (Atofina Co., Ltd.) Kynar 741[®]

Please replace the paragraph at page 20, lines 13-15, with the following rewritten paragraph:

More specifically, LiCoO_2 was used as a cathode active substance, acetylene black as the conducting aid, and PVDF Kynar 741[®] as the binder.

Please replace the paragraph at page 21, lines 4-10, with the following rewritten paragraph:

Twenty (20) parts by weight of polyvinylidene fluoride (Kynar 761® made by Elf•Atochem Co., Ltd.) were dissolved in a mixed solution comprising 40 parts by weight of dimethylacetamide and 40 parts by weight of dioxane, and the resulting solution was then cast by a doctor blade process on a glass sheet at a thickness of 200 µm.

Please replace the paragraph at page 22, lines 11-15, with the following rewritten paragraph:

In this comparative example, PVDF KF1000® was used for the binder. This was prepared by suspension polymerization. Otherwise, Example A-1 was followed. By the same process as in Example A-1, a battery was fabricated and measured for its capacity.

Please replace the paragraph at page 23, lines 22-28, with the following rewritten paragraph:

A polymer substance PVDF (Kynar 761A® made by Elf•Atochem Co., Ltd.), an electrolyte wherein LiBF₄ was dissolved at a concentration of 2M in a solvent comprising ethylene carbonate:γ-butyrolactone = 2:8 by volume and a solvent acetone were mixed together in such a way as to give a polymer substance:electrolyte:solvent ratio = 3:7:20, thereby preparing a first solution.